INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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REPORT			S-E-C-R-E	-T		25 X 1
Carl Zeiss Jena Caused by a Shortage of Quartz NO. OF PAGES 2 DATE OF INFO. PLACE ACQUIRED This is UNEVALUATED Information SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE 1. The embargo on exports of optical and piezoelectrical quartz is causing acute embarrasement in East Germany. Production of many Carl Zeiss instruments which would otherwise be made in Jena is held up. On occasions, the Carl Zeiss firm has been forced to tell customers that they must supply their own quartz if the instruments to be manufactured require quartz lens or prisms. 2. In an effort to overcome some of its troubles, Carl Zeiss has been carrying out research in the adjacent VEB Jenaer Clasverk Schott & Genossen for the production of a synthetic quartz. Schott & Genossen has now produced a synthetic which has been named Uviol gless. Uviol is going to be used by Zeiss in some of the instruments and has already made its appearance in some of the barrier layer cells. Zeiss claims that the transmission properties of Uviol closely resemble those of optical quartz, particularly in the infrared band, but that Uviol has a better transmission properties of Uviol closely resemble those of optical quartz, particularly in the infrared band, but that Uviol has a better transmission than quartz in the ultra violet bend. 3. In regard to synthetic quartz crystals, Zeiss personnel believe it will be many months before it will show any positive results, even though Zeiss has equipped a new laboratory. 4. The supply situation in regard to plezcelectrical quartz is extremely bad. 5. Senf, production manager of Carl Zeiss, Jena, in charge of fine mechanical instruments, accompanied by Fromm of the Zeiss Export Department, was recently. 5. Senf, production manager of Garl Zeiss, Jena, in charge of fine mechanical instruments, accompanied by Fromm of the Zeiss Export Department, was recently. 5. Senf, production manager of Garl Zeiss, Jena, in charge of fine mechanical instruments, accompanied by Fromm of the Zeiss Export Depa	COUNTRY	East Germany		REPORT		
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